Trauma Chart Abstracting

Montana System Conference

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ab-**strakt**

- to draw or take away; remove.

- to consider as a general quality or characteristic ap art from

  specific objects or instances

- to make an abstract of; summarize

Why?

- To collect data for registries

- To review patient care and identify issues for quality improvement

- To review systems issues for process improvement

- To collect statistics for trending

Trauma Chart Review

- GCS documented by EMS
- C-Collar/Backboard documented by EMS
- Complete VS by EMS
- GCS documented in ED
- Complete VS at arrival (all VS must be obtained within 10 minutes)
- Temp must have documented route
- Primary survey interventions complete before secondary survey began.
- Was Intake/Output documented
- Was cardiac monitor utilized? Was start time documented?

- Was C-spine maintenance documented or was C-spine clearance documented.
- Wound care provided and documentation of time.
- Documentation of notification/arrival of staff (PA, MD,CRNA,Lab,Radiology)
- Documentation of warming measures (warm blankets, Bair hugger)
- Trauma flow sheet utilized?
- Trauma alert/activation? Time documented?

Finding information

- Trauma flowsheet
- H&P
- Radiology reports
- Nurses Notes
- Operative/Procedure Notes
- Discharge summary
- Consults
- Progress Notes

- Medication records
- Daily flowsheets
- Physician orders
- EMS run reports
- OT/PT/ST reports

- Other…

Hierarchy of Diagnosis

- Hospital D/C Summary
- Billing Sheet/ Medical Records Coding Sheet
- Trauma Flow Sheet
- ER and ICU Records

(As suggested by NTDB list serve)

Best Practice

- Effective, timely abstraction of data
- Completeness of data

Abbreviated Injury Scale (AIS)

- The AIS range in severity from:

  - 1-6 or minor-maximal (untreatable)

  - 6 body regions, head or neck, face, chest, abdominal or pelvic contents, extremities or pelvic girdle and external (skin).

Dimensions of Severity

- Threat to life
- Mortality: theoretical, expected, actual
- Amount of energy dissipated/absorbed
- Tissue damage
- Hospitalization and need for intensive care
- Length of hospital stay
- Treatment cost
- Treatment complexity
- Length of treatment
- Temporary and permanent disability
- Permanent impairment
- Quality of life

AIS/ISS Examples

Injury	AIS	ISS	Body Region
Femur Fx	3	9	Extremities
Grade 2 spleen lac	2	4	Abdominal
Large SDH	5	25	Head
Sm facial lac	1	1	External
Total		38	